

FRAC SEPARATOR

UNIT: FS234

PERFORMANCE

Maximum Operating Pressure (limited to PSV set pressure)	200 psi (1,380 kPa)
Minimum/Maximum Rated Operating Temperature of Vessel	-50°F/400°F (-46°C/204°C)
Liquid Storage Capacity	111 bbl (17.6m ³)
Maximum Gas Flow Rate @ 90% Maximum pressure	40 MMscfd (1,133 e ³ m ³ /d)
Maximum Liquid Rate (operating ½ full)	39,884 bbl/day (6,341 m ³ /day)
Liquid Retention Time at maximum flow rate	2 minutes
Flometer max Gas Flow rate @ 90% Maximum pressure	36.8 MMscfd (2,713 e ³ m ³ /d)
Pressure Relief Valves Max Flow Rate	15.1 MMscfd (427.6 e ³ m ³ /d)
System Maximum Gas Rate (limited by PSV)	15.1 MMscfd (427.6 e ³ m ³ /d)

VESSEL DIMENSIONS

Diameter	72" (1,829 mm)
Length S/S	20' (6.10 m)

FLUID TRANSFER SIZE & PRESSURE RATING

Inlet size	6" (152.4 mm)
Inlet pressure rating	200 psig (1,380 kPa)
Gas Outlet	3" (76.2 mm)
Oil Outlet size	3" (76.2 mm)
Water outlet size	3" (76.2 mm)
Outlet's pressure ratings	200 psi (1,380 kPa)

FLOW INSTRUMENTATION

Gas Meter	3.0 in. (76.2 mm) Vortex Shedding Meter
Back Pressure	Grove
Dump Valve	N/A
Differential Recorder	N/A

SHIPPING DIMENSIONS

Width	8' 6" (2.59 m)
Length	37' (11.28 m)
Height	10' 4" (3.15 m)
Weight Estimate	24,000 lbs. (10,886 kg)

CERTIFICATION

Vessel	ASME Sec. VIII Div. 1
Piping	ASME B31.3
Province(s) of Registration	AB
Sour Service NACE Standard	MR0175

